

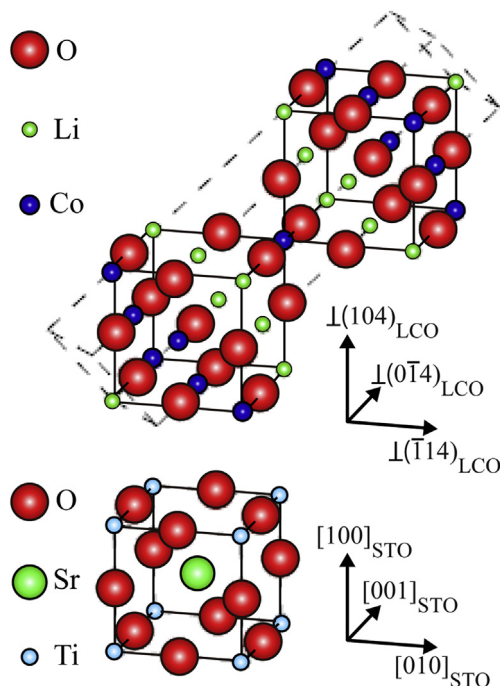


## Corrigendum

Corrigendum to “Crystal orientation of epitaxial LiCoO<sub>2</sub> films grown on SrTiO<sub>3</sub> substrates” [J. Power Sources 247 (2014) 687–691]Kazunori Nishio<sup>a</sup>, Tsuyoshi Ohnishi<sup>a,b,c,d,\*</sup>, Kosho Akatsuka<sup>b</sup>, Kazunori Takada<sup>a,b,c,d</sup><sup>a</sup> Global Research Center for Environment and Energy Based on Nanomaterials Science (GREEN), National Institute for Materials Science (NIMS), 1-1 Namiki, Tsukuba, Ibaraki 305-0044, Japan<sup>b</sup> NIMS-TOYOTA Materials Center of Excellence for Suitable Mobility, National Institute for Materials Science (NIMS), 1-1 Namiki, Tsukuba, Ibaraki 305-0044, Japan<sup>c</sup> International Center for Materials Nanoarchitectonics (MANA), National Institute for Materials Science (NIMS), 1-1 Namiki, Tsukuba, Ibaraki 305-0044, Japan<sup>d</sup> Environment and Energy Materials Division, National Institute for Materials Science (NIMS), 1-1 Namiki, Tsukuba, Ibaraki 305-0044, Japan

The authors regret errors in the crystallographic directions of LiCoO<sub>2</sub> and the orientation relationship with SrTiO<sub>3</sub>, which appear in this article. The authors would like to apologize to the readers of the article for any inconvenience these errors may have caused.

Some descriptions expressing the epitaxial relationship are incorrect. For instance, “[104]<sub>LCO</sub> is parallel to [100]<sub>STO</sub>” should be revised to “[104]<sup>\*</sup><sub>LCO</sub> is parallel to [100]<sup>\*</sup><sub>STO</sub>” or identically, “(104)<sub>LCO</sub> is perpendicular to [100]<sub>STO</sub>”, where [hkl]<sup>\*</sup> stands for a direction expressed in terms of reciprocal lattice vectors, and LCO and STO stand for LiCoO<sub>2</sub> and SrTiO<sub>3</sub>, respectively; because [hkl] directions are not usually normal to corresponding (hkl) planes in the rhombohedral crystal lattice of LiCoO<sub>2</sub> while the reciprocal lattice vectors are normal to corresponding planes by its basic property. Fig. 2 is also incorrect for the same reason. The corrected figure is provided below:

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Fig. 2. Schematic representation of cube-on-cube configuration between LCO and STO. Li and Co are ordered in the NaCl-type cubic lattice indicated by the solid lines to make a hexagonal unit cell for LCO, which is indicated by dashed lines. The crystal structures were drawn by VESTA [12]. " $\perp(hkl)$ " represents the direction normal to  $(hkl)$  plane.